

ABSTRACT OF THE DISCLOSURE

In a power supply apparatus that is so configured as to produce from an input voltage an output voltage V_o within a predetermined permissible variation range, the output voltage V_o is so controlled as to decrease within the permissible variation range as the output current I_o increases. This configuration offers an output voltage with an improved transient characteristic against an abrupt variation in the output current and simultaneously permits reduction of the power consumed when the output current increases